

ABSTRACT

An apparatus for recovering a carrier is disclosed, for recovering a carrier correctly even though ghost exists in a signal received in a television, which includes a signal converter outputting baseband I, Q signals by multiplying digitized passband I, Q signals by a complex carrier according to a phase error; first and second filters removing data components of the baseband I, Q signals; a divider dividing a signal outputted from the second filter by a signal outputted from the first filter; a multiplier multiplying a signal outputted from the divider by the baseband I signal delayed for a predetermined time period; and an oscillator generating a complex carrier according to a signal outputted from the multiplier.